Highly sensitive capillary film designed for DLE system

- Suitable for graphic image, PCB patterns, nameplate and Glass.
- Flat surface profile, Low Rz value, superior dot to dot, line to line reproduction
- Consistent EOM value from screen to screen
- Fast stencil turnaround, simple application (capillary or direct/indirect method)

**Features/Application**

**Specifications**

<table>
<thead>
<tr>
<th>Emulsion Thickness</th>
<th>10～50μm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut Sheet Size</td>
<td>MAX1,000×1,000mm</td>
</tr>
<tr>
<td>Roll</td>
<td>Length: 10, 30, 50m Width: 300, 640, 1000, 1200mm</td>
</tr>
</tbody>
</table>

**Exposure Data**

<table>
<thead>
<tr>
<th>Screen mesh, Color</th>
<th>Film Thickness / E.O.M.(μm)</th>
<th>Methal halide lamp*/385nm&amp;405nm LED lamp**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester 165/420-27 Y</td>
<td>12/9</td>
<td>80～100mJ / 35～55mJ</td>
</tr>
<tr>
<td>Polyester 120/300-34 Y</td>
<td>15/9</td>
<td>140～180mJ / 70～90mJ</td>
</tr>
<tr>
<td>Polyester 100/250-40 Y</td>
<td>20/14</td>
<td>200～260mJ / 100～130mJ</td>
</tr>
<tr>
<td>Polyester 59/150-48 W</td>
<td>30/20</td>
<td>330～390mJ / 150～210mJ</td>
</tr>
<tr>
<td>Polyester 59/150-48 W</td>
<td>50/40</td>
<td>450～550mJ / 230～280mJ</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Laminating process</th>
<th>Manual: P ↓ S ↓ I ↑ Laminate film ↓ I ↑ S ↑ ↑ Drying</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Machine: P ↓ S ↑ ↑ Laminate film ↓ I ↑ S ↑ ↑ Drying</td>
</tr>
</tbody>
</table>

※ The above is for guideline purposes only.
Please use a grayscale exposure calculator to identify optimal exposure time.

*ORC UV42 Intensity meter **AITEC SYSTEM UVM-100

**Instructions**

- For extended durability, use ONEPOT XL-DLE-2V emulsion to laminate MS-DLE (Direct/Indirect method).
- Dissolve provided diazo with 2% water to emulsion volume.
- Pour diazo solution into emulsion. Mix it well. Prior to a use, let mixed emulsions settle for one day.
- Keep the mixed emulsion in a cool and UV light safe area. Use mixed emulsion within 1 weeks.
- Use Murakami MSP cleanser to remove excess grease on mesh.
- Dry out the coated screen by fanned warm air at 40°C (104°F)
- Recommended to filter remaining emulsion with screen mesh before pouring it back into the container to remove any dust, foreign substances and air bubbles.

【Remarks】

- Keep MS-DLE in a cool and UV light safe area and avoid high temperature and humidity.
- Store MS-DLE roll in a vertically standing position.
- Wearing protective equipment is required. Please confirm SDS for more details.
- To avoid the deterioration of screen, please be caution for the use of ink and detergent containing the solvents mentioned below.
  * Water
  * N-Methyl Pyrrolidone (NMP)
  * N,N-dimethylformamide
  * Methanol
  * Ethanol
  * Ethylene Glycol
  * Propylene Glycol

MURAKAMI CO., LTD.
5-3-10 Yokokawa, Sumida-ku, Tokyo Japan
URL https://www.murakami.co.jp/english/